



**BEWITCHING ! ! THAT'S** the best description of Virginia Spivey as she dons all the trimmings to be "Miss Witch Of 1950" at the Halloween party to be given by the Materials Chemistry Division Friday night. Even the pumpkin seems interested while "Midnight," Virginia's big black cat, takes a dim view of proceedings.

## Plant Expected To Go 'Over The Top' Early With Generous Gifts To Community Chest

**Plant Quota Is \$5,000; Some 'Beat Gun' With Perfect Response**

The 1950 Oak Ridge Community Chest fund campaign got away to an auspicious start in Y-12 bright and early Monday morning with advance indications pointing to another quick and generous response by all plant personnel to the annual appeal for support of the worthy agencies supported by the Chest.

Spurred on by a brief talk last Thursday by Y-12 Area Superintendent W. D. Lavers, plant chairman for the campaign, the plant-wide committee coordinating the

drive was poised for action the first thing Monday morning. Superintendent Lavers pointed out that Y-12 consistently has been in the lead in exceeding its assigned quota and first to go "over the top" in previous campaigns and expressed confidence that 1950 would be no exception.

Y-12 has been assigned a quota of \$5,000 for the 1950 Community Chest goal of \$48,000 in the plants, businesses and homes of the city. The total Chest budget is \$51,428 but the Chest will draw on its reserve fund to care for the difference.

A Company contribution of \$5,000 helped the Chest launch its campaign. This sum is over and above the gifts to be made by em-

ployees of the three Carbide units, in Oak Ridge.

An indication of the generosity and desire to do their part in making the Chest campaign a success was shown last Friday when two of the smaller departments in Y-12 "beat the gun" with personnel of both subscribing 100 per cent to the appeal and also exceeding the quotas assigned to them. These two Y-12 departments were the Cafeteria, with 26 employees listed; and Standby Plant Maintenance, with 10 employees on its rolls. Just a little more than 10 minutes were required for each group to complete their pledges.

Emulating the example of

**Carbide Contributes \$5,000 To Campaign With Goal Of \$48,000**

these departments were two more that had their 100 per cent and quota exceeded report on hand early Monday morning. These were Property and Training. Probably some others also had completed their campaigning early so the "first" honors can be shared with credit going to all.

The plant committee coordinating the Chest campaign is working through supervision, which is distributing the pledge cards to every Y-12er. Every contributor is urged to carefully read and fill out the card according to instructions. Each card had the name and payroll number of the employee printed on it before it was distributed and all cards must be returned, whether a contribution is made or not.

Gifts to the Community Chest may be made by either cash or through payroll deductions. For weekly and hourly paid employees, deductions may be made over a period of four weeks with the deductions being made on checks delivered November 24, December 1, 8 and 15. Monthly paid employees desiring to have their contributions deducted may have the deductions made either for the month of December or the month of January. However, monthly paid employees may not divide their deductions and must have the entire sum taken out of one check or the other. No deductions for any period may be less than \$1.

The 1950 fund campaign of the Community Chest has included the needs of 15 agencies, 10 being local organizations and the other five national. However, the latter group is seeking only \$698 to \$48,580 for the Oak Ridge Red Feather Agencies. The Chest administration this year is only \$2,150, an extremely low figure.

The local Red Feather Agencies, needs of which have been carefully checked by the Chest directors before submitting them to the public, to benefit by the generosity of the citizenry of Oak Ridge follow:

Oak Ridge Dental Health Council \$5,230.  
Off Area Hospitalization Fund \$4,000.  
Boy Scouts \$10,045.  
Girl Scouts \$10,456.  
Camp Fire Girls \$1,600.  
Crippled Children \$3,000.  
Scarboro Day Care Center \$1,350.  
School Lunch Program \$7,500.  
School Bus Fare \$900.  
Anderson County Council On

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## Y-12er Boyd Weaver Definitely Establishes Samarium 147 Is Source Of Alpha Radiation

Through the facilities of the Y-12 Isotope Research and Production Division and other departments in Y-12 it has definitely been established for the first time that the samarium isotope 147 is the source of the natural alpha radiation from this rare earth element. This scientific discovery, clarifying several previous divergent theories on the subject of which samarium isotope emits the natural radiation, was made by Boyd Weaver, head of the Isotope Chemistry Section, and is being revealed to the scientific world in a paper published in the October 15 issue of The Physical Review, official publication of the American Physics Society.

### Started Research In July

Weaver started his research work on the problem early in July and concluded it late in August. Shortly afterward, Weaver's definite establishment of the fact that Samarium 147 was the source of natural alpha radiation a similar conclusion was presented by the University of California Radiation Laboratory by an entirely different method. Previously belief had been advanced by the late Dr. A. J. Dempster, of the University of Chicago and the Argonne National Laboratory of the Atomic Energy Commission, that it was "almost certain" that the samarium isotope 147 gave off alpha radiation, after he had previously indicated that it was from Samarium 148 or 152.

In describing his work, Weaver reports in an abstract of his paper:

"Measurement of radioactivity from milligram quantities of enriched samarium isotopes has definitely shown that the natural alpha activity of this element comes from the 147 isotope."

### Weaver Had Ample Supply

In his research, Weaver had available 330 milligrams of Samarium 147 and comparable quantities of the six other stable isotopes of the rare element. The scientists at the University of California and Dr. Dempster are reported to have had only micrograms of the Samarium 147 isotope.

Weaver and Dr. C. P. Keim, director of the Y-12 Isotope Research and Production Division, point out that Y-12 is the only facility of the AEC where sa-

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**BOYD WEAVER, OF THE** Y-12 Isotope Chemistry Section of the Isotope Research and Production Division, who has definitely established the alpha radioactivity of Samarium 147 through Y-12 facilities, is shown above looking over samples of some of the many stable isotopes produced in the plant.

Y-12 Photo By Vince Moore



## UCC Vice President Visits Oak Ridge Units For Talks On Industrial Relations Matters

Industrial Relations matters in the three Carbide and Carbon Chemicals Division units in Oak Ridge were talked over by plant personnel and W. H. Winans, of New York, vice president of Union Carbide and Carbon Corporation, in Oak Ridge conferences last week. The UCC vice president had lunch at the Y-12 cafeteria last Friday with representatives of the three Oak Ridge Carbide units and spent the rest of the afternoon meeting with Y-12ers.

The UCC vice president began his service with the Corporation in 1916 with the National Carbon Division and has been a pioneer in formulating and developing the industrial relations policies of Union Carbide. Since Carbide has taken over operation of the three atomic energy facilities in Oak Ridge he had been instrumental in coordinating industrial relations policies with other UCC groups.



W. H. WINANS

## Y-12 Fills 14 Orders For Stable Isotopes

A total of 14 shipments of stable isotopes prepared by the Y-12 Isotope Research and Production Division were sent to five different scientific institutions during the month of September. That compared to 28 shipments to nine organizations in August.

### Iowa State Gets Tungsten

The largest shipments of the past month were to the laboratories of Iowa State College, that institution receiving 500.8 milligrams of Tungsten 182 and 500.6 milligrams of Tungsten 186. Another university receiving two consignments of stable isotopes was Ohio State University which was sent 16.5 milligrams of Tin 112 and 100.2 milligrams of Bromine 81.

The University of Michigan requested and was sent 20.3 milligrams of Tin 112 and the University of Minnesota got 150.5 milligrams of Lithium 6. The Massachusetts Institute of Technology was sent two shipments during September, they being 100 grams of Mercury 199 and same amount of Mercury 201.

### UCL Receives Three Orders

The Oak Ridge National Laboratory, the Argonne National Laboratory and the University of California Radiation Laboratory, all operated by the Atomic Energy Commission, each received shipments of stable isotopes from Y-12. ORNL got 500.4 milligrams of Lithium 7, 151.3 milligrams of Iron 58 and 101.5 milligrams of Gallium 69. The University of California was sent 40.1 milligram of Samarium 144 and 41.2 of Samarium 147. The Argonne National Laboratory received 14 milligrams of Zirconium 94.

### A-BOMB FOR ARGENTINA

A Brazilian magazine has reported that Argentina plans to start production on an atomic bomb shortly. Research is said to have been conducted on an island in the Andean lakes and President Juan Peron is reported to have frequently visited the heavily guarded plant.

## SAFETY SCOREBOARD

Your Plant Has Operated  
31 Days

Without A Lost Time Accident

Through October 22



# The Bulletin

Published Weekly By And For  
Y-12 Employees Of  
CARBIDE AND CARBON  
CHEMICALS DIVISION  
Union Carbide And Carbon  
Corporation  
Post Office Box P  
Oak Ridge Tenn.

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## Attendance In Y-12 Best In Four Weeks

The Y-12 attendance record for the week ending October 15 was the best in the past four weeks, only 1.9 per cent of plant personnel being absent for the last reporting period. It was the best mark posted since the same record was filed for the week ending September 17 and was .4 per cent below the figures for the week ending October 8.

### Two Tied In Major League

Where no departments in the Major League reported perfect attendance records for the week ending October 8, two posted "all present" marks for the week ending October 15. They were the Electromagnetic Research Laboratory, which was in undisputed possession of first place the previous week, and the Materials Chemistry Division. The latter group advanced from 11th place held during the week ending October 8.

The second and third place departments during the week ending October 8 swapped positions the following week when Chemical rose to second position with only .9 per cent of its members absent and the Guard Department dropped a notch by having an even one per cent of its personnel absent.

### Seven Others "All Present"

Seven Minor League departments had perfect attendance marks for the week ending October 8 as against eight the preceding week. Only four of the seven were repeaters from the week ending October 8, they being Receiving and Shipping, Plant Engineering, General Maintenance Office and Superintendents. Advancing from third, fourth and 10th places held the previous week were the Cafeteria, Uranium Control and Computing and Plant Records, to join in the first place tie.

Second place in the Minor League was taken by Utilities Maintenance, one of the first place departments for the week ending October 8, this group posting an absentee mark of .7 per cent. In third place for the most recent reporting period was the Steam



The following Y-12 employees were patients last week in the Oak Ridge Hospital: Newton A. Stone and Elmer Zimmerman, Isotope Research and Production Division; George H. Gritton, Field Maintenance.



Only one Y-12 employee was listed as a parent of babies born last week at the Oak Ridge Hospital. He was Darrel A. Hyde, of the Guard Department, who became father of a girl born October 19.



Photo By Vince Moore  
**MR. AND MRS. FRED A. KAPPELMANN**, both of Y-12, are shown above immediately after their wedding Saturday, October 14, at the Chapel-On-The-Hill. Mrs. Kappelmann is the former Miss Olyne Poin-dexter.

## Weaver Determines Sm. 147 Radioactive

Continued from Page 1  
mariium isotopes can be separated in such large quantities to make a success of the project undertaken. In counting each of the samarium isotopes electronically operated proportional counters were used.

### Separated In Y-12 Calutrons

The isotopes were separated in Y-12 calutrons and purified and prepared for counting in the Isotope Chemistry Laboratory. The radiations were measured by use of instruments and assistance of personnel in the Mass Analysis and Health-Physics Laboratories of Y-12.

In his article in The Physical Review, Weaver gives credit to Dr. Keim, Dr. G. W. Keilholtz and H. R. Gwinn for assistance given in the research work.

Plant, with a 1.1 per cent absentee mark and which was in sixth place the preceding week.

The plant-wide absentee record for the week ending October 15, by departments, follows:

MAJOR LEAGUE				
Dept.	More Than 50 Employees	Percentage Absent	Scheduled Standing	10-15-50 10-8-50
2320	0.0	1	1	1
2300	0.0	1	11	11
2619	0.9	2	3	3
2091	1.0	3	2	2
2283	1.3	4	4	4
2077	1.6	5	10	10
2014	1.9	6	5	5
2616	2.0	7	12	12
2003	2.6	8	9	9
2015	3.10	9	7	7
2282	3.14	10	8	8
2142	3.3	11	13	13
2360	3.7	12	6	6

Group absentee percentage was 2.1 per cent, .3 per cent lower than the preceding week.

MINOR LEAGUE				
Dept.	15-49 Employees	Percentage Absent	Scheduled Standing	10-15-50 10-8-50
2143	0.0	1	1	1
2060	0.0	1	1	1
2002	0.0	1	1	1
2200	0.0	1	1	1
2107	0.0	1	3	3
2739	0.0	1	4	4
2046	0.0	1	10	10
2005	0.7	2	1	1
2743	1.1	3	6	6
2096	1.2	4	1	1
2270	1.3	5	8	8
2140	1.6	6	1	1
2108	2.6	7	—	—
2001	2.7	8	9	9
2008	3.0	9	5	5
2133	3.4	10	1	1
2064	3.5	11	2	2
2145	5.9	12	2	2
2109	6.0	13	7	7
2090	7.5	14	10	10

Group absentee percentage was 1.7 per cent, .5 per cent lower than the preceding week.

The plant average for the week ending October 15 was 1.9 per cent, .4 per cent lower than the preceding week.

The fight for safety is never ending.



That big, bad wolf of a Florida hurricane last week huffed and puffed mightily hard at Daytona Beach, according to Mary Lou Pate, of Superintendents, who returned to her desk Monday following a week's vacation down thataway. On Wednesday, the crest of the storm, all hands were warned by the Daytona Beach radio (when it was on the air) to stay indoors as a safety measure—and they did. Miss Pate quotes old timers in D. B. as echoing Miami statements that the blow was "the worst in 20 years" and she goes on to report that it will take a lot of work to make that board walk look the same.

Jeanne Rogers, of the Analytical Chemistry Division, is vacationing at her home in Michigan, this week . . . The department wishes to express sympathy to Louis Taylor at the death of his mother last week in Knoxville . . . Dr. Oscar Menis, who received his Ph.D. degree just this year from the University of Indiana, has joined the folks in the division. He received his master's degree from the University of Michigan.

Tom Swindell, of the Research Engineering Department, vacationed at home in Norris, Tenn., last week . . . The department welcomes Ray Wells to the roster . . . F. D. Bender spent a week's vacation resting up at home in Oak Ridge.

Leila Lesley, of the Laundry Department, is enjoying a two-week vacation at her home in Etowah, getting acquainted with her new grandson.

W. C. Munsey, of Electrical Maintenance, vacationed down on the farm near Lenoir City last week and did some fishing in the near-by lakes and streams . . . The department welcomes R. O. Wade back after a recent illness . . . Sue Holliday spent a week's vacation in Huntington and Nashville, Tenn.

J. A. McLain, of Utilities Maintenance, is off to Alabama for a two-week vacation; to help the home folks pick cotton.

R. C. Trout, of the Field Maintenance Department, is spending a week's vacation hunting and fishing around his home in Oakdale.

Carl Jones, of the Chemical Department, is back from a week of vacation spent at home in Oak Ridge . . . Viola Jenkins is vacationing at home in Alcoa this week . . . Winfred Ray is vacationing for a week at home in Oak Ridge.

Capt. D. C. Shults, of the Guard Department, is back on the job after a week of vacation . . . The department wishes to congratulate D. A. Hyde who is the proud papa of a baby girl, Susan Patricia, who was born October 19, at 8:34 a.m., at the Oak Ridge Hospital.

Irene Bryan, of the Cafeteria Department, is visiting her folks in Rutherfordton, N. C., while on a two-week vacation.

A Y-12er just returned from vacation in a spot where they have night clubs with floor shows and such trimmings reports this one.

The MC at a somewhat alleged tony jernt was a prissy sort of gent with a slightly falsetto voice. He was quizzing the customers on their home towns and such and finally asked one guest:

"You're from Alaska, aren't you?"

"None," was the reply. The next act will go on as soon as the chorus changes its costume.

Meta Butler, of the Wage Standards Department, and her daughter Betty, of Employee Relations, are vacationing at home in Jackson, Tenn., this week.

B. N. Strunk, of the Stores Department, is spending some time in Lexington and Louisville, Ky.,

and is doing some fishing on the side while on two weeks of vacation. . . W. C. Anderson and his wife spent a week's vacation in Boma, Tenn., and attended the Fox Hunter's Convention while there . . . The folks in the department are glad to see Eva Williams and W. G. Vann back after a recent illness.

R. J. Barron, of the Superintendents Department, and K. S. Lyle, of Property Sales, have returned from a business trip to New York City and Hartford, Conn.

S. A. Copeland, of Receiving and Shipping Department, is vacationing for two weeks at home in Oak Ridge and Manchester, Tenn.

Walter Hill, of the Tools Department, is back from a week's vacation spent at home in Duff, Tenn.

Loretta Johnson, of Manufacturing Offices, and her husband are spending a week of vacation visiting his folks in Sparta, Tenn.

J. D. Bowers, of the Property Department, spent a week's vacation at home in Oak Ridge entertaining out-of-town guests.

The Transportation Department welcomes W. B. Mott back after an extended illness.

Frank Knox, of the Isotope Research and Production Division, spent a week's vacation out in Oklahoma and Texas . . . Fred Boody and his family are back from a week of vacation.

The Uranium Control and Computing Department wish Kate Penland, who is in a hospital in Sylvia, N. C., a speedy recovery from injuries received in an automobile accident on October 14.

Jessie Guinn, of the General Maintenance Offices, is resting up at home in Knoxville while on a week of vacation.

The Plant Records Department wish to express sympathy to Helen Burkhalter and her husband at the death of a brother-in-law last week in Georgia . . . The department welcomes Frances Sachs to the roster.

The Steam Plant wishes to welcome Fred McNamara to its roster.

## Plant Is Expected To Meet Chest Appeal

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Cerebral Palsy \$4,500.

The national agencies participating in the Oak Ridge campaign include the American Social Hygiene Association, American Hearing Society, National Social Welfare Assembly, Travelers Aid and the Associated Service for the Armed Forces.

## Carbide Girls Club Set Halloween Dance Friday

Y-12ers wanting to trip a light and fantastic Halloween terpsichorean step come Friday night, October 27 are cordially invited to attend the annual costume ball given by the Carbide Girls Club, a K-25 aggregation. The shindig is to be staged at the Oak Terrace ballroom from 9 p. m. to 1 a. m. with music provided by Jerry Collins' orchestra.

Any folks in Y-12 desiring tickets or reservations for the Halloween party may obtain the accommodations from Juanita Reed, at the Badge and Pass Office, North Portal.

Dress is optional but guests are urged to attend in costume. Prizes will be awarded for best costumes worn by couples, men and women.

## NEW ACCELERATOR PLANNED

The Chicago Tribune has reported that Northwestern University will begin construction soon on a 4,500,000-volt Van de Graff ion accelerator.



**SPEAKING OF VACATION** pictures — Here's one submitted by Paul C. Ziemke, of the Y-12 Safety Department. It shows the "polar waterfall" in Mammoth Cave, Ky., one of the show spots of the gigantic cavern visited by many Y-12ers.

## Chemical Engineers Announce Programs

The programs for three pending meetings of the Knoxville-Oak Ridge Section of the American Institute of Chemical Engineers has been announced for the benefit of the approximately 15 Y-12 members of the group. The next meeting of the section will be held next Wednesday night, November 1, with other sessions being scheduled for November 14 and December 1. All chemical engineers in the Knoxville-Oak Ridge area are invited to attend the meetings.

### Meet In Oak Ridge Next

The November 1 meeting will be held at 8 p. m. in Room 20, Oak Ridge Institute of Nuclear Studies building near the Atomic Energy Commission administration building. This session will be the final fall seminar meeting of the group and Richard Stephenson, of the Oak Ridge National Laboratory, will speak on "Continuous Multistage Ion Exchange."

The November 14 meeting is scheduled for Knoxville at the S. & W. Cafeteria with election of officers being one of the principal items of business. Officers to be named include a chairman-elect, secretary, assistant secretary, treasurer and two directors. The committee on elections of the section include H. M. McLeod, of the Y-12 Analytical Chemistry Division; C. E. Winters, of ORNL and working in Y-12; R. K. Collins, R. M. Boats and F. Chance, chairman. The present chairman of the section is A. C. Jealous, former Y-12er now with ORNL.

### Vice President To Speak

T. H. Chilton, vice president of the American Institute of Chemical Engineers, will speak at the November 14 meeting. His topic will be "Units — Scientific Technical."

The place of the December meeting has not yet been determined. E. V. Murphree, vice president of the Standard Oil Development Co., will speak at that session.

## Halloween Party Set Friday Night

There will be big doings out at the Jaycee Hall on the Oak Ridge Turnpike, starting at 8 o'clock Friday night, October 28, and lasting as long as the guests are able to take it. The occasion is a Halloween—Hillbilly party to be given by the Materials Chemistry Division.

Dancing, both round and square, will be offered the guests and everyone is urged to come in costume. Program committee members promise a full night of fun for everyone.

A rainbow — heaven's promise in technicolor.



## Y-12 Cardinal Pilots Pitch Party For Players For Winning City Baseball Crown; Athletes Respond With Gift For Boss; Umpire Even Invited To Friday 13th Shindig

Defying any superstitions about "Friday the 13th" or even the possibility that they might have seen the new moon of that night over their right shoulders en route, happy members of the Oak Ridge championship ball club—the Y-12 Cardinals—were guests at a real whoop-de-doo party given them by Co-Managers Bill Burns and Wes Savage. The shindig was staged, held or flung at the Oak Ridge Power Squadron building on Emory Road on the previously mentioned Friday, October 13—and if the ORPS has missed any boats to date they might question some of the ball players who might have used the craft for transportation home after the event.

Just to show "they weren't mad at nobody" the hosts invited all the players—and even an umpire—to the function. Also to show their forgiveness they even had Carl "Rabbit" Yearwood ("the field's too wet to play on") boy of the city recreation department. The guests came early—and stayed late, but not too late, and everyone present had a whale of a good time.

The umpire present at the party was Grady O'Kain, one of the better (?) boys in blue. He tried to slip in via the incognito route, but was spied early by some of the Cards.



MEMBERS OF THE Y-12 CARDINALS BASEBALL SQUAD

and friends had a real whing-ding party recently to celebrate winning the Oak Ridge city championship and present Co-Manager Bill Burns a piece of luggage in appreciation of his efforts. Front row, from left, Walt Sherrod, B. B. Hopkins, Bill Asbury, Fred Guttery, C. C. Carter, George Wiley and L. C. Martin. In the rear are Bill Dodson, Grover Talley, C. E. Noe, League Umpire Grady O'Kain, Jack Addison, Co-Managers Burns and Wes Savage, Carl Yearwood, of the City Recreation Department; Paul Braden, Joe Walton and A. F. Kendig, "Mr. Baseball Fan."

"Hi Arid, old boy," one of the players hailed O'Kain.

"Where you get that 'Arid' stuff," growled the umps.

"Aw, you were calling them

half safe all summer," the player cheerfully replied as he ducked a pickle hurled in his direction by a team mate in punishment for the corny gag.

There were few serious moments during the night of fun and relaxation. Along about seventh-inning stretch time the boys remembered what fine guys their hosts were and how the big boy from Nawth Gawga, Bill Burns, had struggled along to keep the team together at times during the season and had proved a real manager, pal, gentleman and scholar. Of course, they previously had remembered to do something about it.

Jack Addison, one of the outstanding players of the team during the season, acted as spokesman for the gang in presenting Boss Burns with a handsome two-suit bag. Jack assured the boss of the affection felt for him by the players—and did it short and snappy.

Perhaps the only real quiet moment of the session was when the field pilot replied—pointing out that cooperation, spunk and team spirit had brought the highly prized city title to Y-12.

Bill then returned to his self-appointed job of principal pourer for the party, keeping his pitcher empty and cups full for the entire evening.

Then—in the cool of the evening with everyone telling everyone else what a heckofafinetime they had—the players slud into home base (safe, it is hoped.)

## Bill Reynolds Beats Shugart For Y-12 Title

Bill Reynolds, all-Carbine golf tournament champion, added another title to his collection over the past week end by taking John Shugart over the hazards and traps of the Oak Ridge Golf and Country Club in the finals of the championship flight of the Y-12 plant-wide tee tourney.

Reynolds had advanced to the finals by trimming Walt Sherrod in the semi-final round. Shugart trimmed Arnold Tiller to gain the title flight.

The championship flight was the only one decided in the Y-12 tournament. Because of work commitments and other factors several scheduled matches were postponed. Players are given the rest of this week to wind up their fairway efforts and report results to the Recreation Office by 9 o'clock next Monday morning.

Finalists in the First Flight are Ward Foster and "Fuzz" Harris. Elmer Olsen and Harvey Keese will meet for the Second Flight honors and George Nessel and Bill Morgan will battle it out for the Third Flight championship.

## First Division Teams In Women's Plant Loop Capture Wins

All of the first division teams in the W League of feminine plant bowlers came out ahead in alley activities last week. The Kemps grabbed off a second place tie by taking three games from the Strickettes through the forfeit route as the losing team was unable to field a team. The Woes, Controllers and Cracker Jax each took two games out of three from the Dodgers, Hi Balls and Racquettes, respectively.

Just rolling for record, the Kemps had the best scratch scores of the night with a 683 single game and 1,911 series. They were helped along by the 189 scratch single game posted by "Fiz" Tucker, which was boosted to 241 with handicap. Lillian Howard, of the Dodgers, rolled a 621 handicap series while Mary Ballard, of the Cracker Jax, had the top scratch series score of 465. Despite their loss to the Woes, the Dodgers had the best handicap scores of the night with 963 single game and 2,761 series. The Kemps rolled a 683 scratch game and 1,911 series.

League standing follows:

Team	W	L	Team	W	L
Woes	14	7	Hi Balls	9	12
Controllers	13	8	Dodgers	9	12
Kemps	13	8	Racquettes	7	14
Cracker Jax	12	9	Strickettes	7	14

## Conrad Roberts Tops Y-12ers In Oak Ridge City League

Conrad Roberts assembled games of 180, 182, 202—564 to lead the Y-12 varsity bowling team as the outfit took over undisputed possession of first place in the Oak Ridge City League October 16. The plant representatives got a forfeit win that night from the Wholesale Grocers but the Y-12ers went out and rolled a 2,596 score, which probably would have been good for a victory regardless of the opposition.

Frank Gragg was second in scoring for the night among the Y-12ers with 175, 171, 184—530; followed by Ernie Cobble 161, 164, 193—518; Elmore Koons 172, 147, 191—510; and Walt Sherrod 156, 153, 165—474.

## All Stars Tie Cubs In B League Race

The All Stars in the B League finally caught up with the Cubs in last week's alley activities of the plant keglering loop as their three point win over the Rippers enabled them to climb into a tie with the Bruins for first place while the Cubs were breaking even with the Comets. The already tight race became even closer after the pin smashing of last Thursday as three teams walked out in a tie directly below the deadlocked leaders and two more were just a short mashie shot away.

Maintenance scored the only whitewash win of the night, blanking the Bums for four points. The Wolves stung the Wasps for three points, the Bumpers got a similar win over One-91 and the Head Pins and Tigers split even.

Another High-Low Posted  
Another one of those high-low scoring exhibitions was put on by Dr. Paul Scofield, rolling for the Head Pins. After posting a puny 97 in his second game Dr. Paul came back to roll a 205. However, he failed by a wide margin of equalling the record for inconsistency established the previous week by Harold Ratjen, of the C League, whose two game range of 246 was a difference of 132 or as against 108 for the good Dr.

ner Green, of the Bumpers, rolled out with the best series scores of the night by posting a 567 scratch and 669 handicap total. Wayne Groppe, of the Cubs, had a 217 scratch game for tops but Ray Guinn, of the One-91 team, had a 250 handicap game for best in that list.

Bumpers Top Handicap Scorers  
In team scoring the Bumpers came through with a 1,014 handicap game and 2,893 handicap series to head the bunch. The All Stars reported the best scratch game of 851 and the Wolves notched a fine 2,466 scratch series.

League standing follows:

Team	W	L	Team	W	L
Cubs	19	9	Comets	15	13
All Stars	19	9	Bumpers	13	15
Rippers	17	11	Tigers	11	17
Wolves	17	11	Bums	9	19
Maintenance	17	11	Head Pins	9	19
Wasps	16	12	One-91	6	22

We have never found a substitute for common sense, but on occasions silence does pretty well.

## Y-12 SPORTS NEWS

### Interest Grows In Revival Of Basketball League In Y-12 As More Players On Rolls

Considerable interest has been evinced throughout the plant in the revival of the popular Plant Basketball League for the coming season after a lapse of one year. With the rise in employment over the past several months, a number of new employees with wide basketball experience are reported available for action in the popular plant cage loop that in the past has provided a lot of heated competition as well as relaxation and fun for Y-12ers.

So far reports have reached the Y-12 Recreation Office that teams may be formed in the Guard Department, Bldg. 9212, Machine Shop and other groups interested in organizing a loop for the season. Meanwhile, representatives of any group desiring to form a team and enter a plant league or individuals wanting to play on some plant team are urged to communicate with the Recreation Office, North Portal, telephone 7-8252.

#### Varsity Squads Drill Mondays

Meanwhile, the first practice session of the season for candidates for varsity teams of both men and women was scheduled for Monday night of this week. Similar drills for these squads will be held at 7:30 o'clock next Monday night, October 30, and again at the same hour Monday night, November 6, at the Jefferson Junior High School.

Y-12 departmental groups wanting practice time may make reservations with the Recreation Office for gymnasium use. The Jefferson Junior High School old gymnasium is available to Y-12ers from 6 p. m. to 11 p. m. on Monday nights and on Thursday nights the Willow Brook School hard-wood will be open from 7 p. m. to 10 p. m. except on the third Thursday of each month when the Glenwood gymnasium will be available at the same hours.

#### DR. CURTIS GETS POST

Dr. Howard J. Curtis, former head of the physiology department at Vanderbilt University, Nashville, has been appointed chairman of the biology department at the Brookhaven National Laboratory of the Atomic Energy Commission, according to the New York Herald Tribune.

### Lead In D League Widened By Strikers

The Strikers bowling team of the D League continued to be the hottest bunch of keggers assembled in any of the plant leagues as they widened their lead in the loop to nine full points last week. The circuit leaders whacked the luckless Angstroms for three points while the second place Isotopes stubbed their toes and allowed the Cermets to pile up a three point victory. The only whitewash win of the night was gained by the Toppers over the Pick Ups and in the other engagement the Old Men and Splinters divided their points.

In picking up their three point win the Strikers swept all team scoring honors with a seasonal high single game score of 936 scratch, boosted to 1,070 with handicap. The team's scratch series of 2,535 and handicap series of 2,937 also were high for the night.

Bill Burns' scratch scoring helped the Strikers along the road. He posted a 217 single game and 537 series. Paul Wilkinson, of the Isotopes, had the best handicap game of the night with 253 and tied with Russ Allstun, of the Toppers, for a 627 handicap series.

#### League standing follows:

Team	W	L	Team	W	L
Strikers	26	2	Toppers	13	15
Isotopes	17	11	Splinters	11	17
Old Men	15	13	Angstroms	8	20
Cermets	15	13	Pick Ups	7	21

#### URANIUM IN JORDAN

An Arabian prospector, Muhammad Al-Jawahri, is quoted by the United Press as having reported in Beirut, Lebanon, that uranium deposits have been found between Jerusalem and Remallah, in Jordan.

## Orphans Overcome Bid Of Hooks For First

The Orphans turned back the challenge of the second-place Hooks in the C League of plant keggers last week by taking three of four points from their opponents and emerge with a four-notch lead in the loop. In other engagements the Guards finally surged from the cellar by stinging the Hornets for a four-point whitewash victory, leaving the losers in last place, the Hurricanes blew in with a three-point win over the Moles and the Short Circuits took a similar victory from the Thin Pins.

No outstanding scores were posted by the pinmen last week, Elmore Koons' 189 taking top spot among the scratch single games, as did his 529 scratch series. Frazier, of the Hornets, notched a 225 handicap game and Don Matlock, of the Hooks, posted a 601 handicap series.

In team scoring the Orphans took most of the honors, reporting a 812 single game, 2,350 scratch series and 2,830 handicap series. The Guards got into the act with a 980 handicap game.

#### League standing follows:

Team	W	L	Team	W	L
Orphans	21	7	Thin Pins	14	14
Hooks	17	11	Moles	13	15
Hurricanes	16	12	Guards	9	19
Short Circuits	16	12	Hornets	6	22

## Y-12 Women Bowlers Victors In Close Tilt With P. V.

In a nip and tuck bowling battle last Thursday night the Y-12 feminine varsity team took the measure of the Pine Valley keglerettes by a two game to one margin—the same edge reported by the Y-12ers for the past six weeks. The victory left the Y-12ers tied for third place with Oak Ridge National Laboratory at 12 wins and six defeats and just four games back of the league-leading Reeder's team and two behind Norris Creamery in second place.

Only 20 pins separated Y-12 and Pine Valley at the end of their engagement, the winners putting together games of 689, 685 and 673 for a 2,047 total against 661, 672, 694—2,027. Oradean Upchurch paced the Y-12 lassies with a 469 series, followed by Mabel Tyer 410, Ruth Law 402, Katie Williams 398 and Betty Whitehorn 327.



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## The Hole Truth

By EVAN MEANS

We haven't fared so well recently in the Oak Ridger, between the proofreaders and the typesetters. (People are beginning to doubt if they have either). So we decided to try our luck again with the Y-12 Bulletin. (Ed's note—Speak for yourself Evan, we aren't getting into that scrap.)

At the recent Sportsman's Association Field Day, Vince Moore prevailed upon Herb Parsons, Western-Winchester's exhibition shooter, to pose for some hunting safety pictures with a few of the Y-12 boys.

The only thing we can remember definitely that is going on is that Pete Francis is looking at the camera. What a ribbing he took from the boys in Electrical Maintenance and the Stores Division over that.

As we remember, there were four "don'ts" represented in the pictures. First, don't lean on the muzzle of your gun while discussing the shots you made or missed. Leave the action open and don't point the gun at yourself or your buddies.

### HELPFUL HINTS ON HANDLING GUNS SAFELY

1. Before taking the field, clean and oil barrel and mechanism; be sure they are free of all obstructions.
2. Be sure ammunition is of correct size.
3. Break gun when carrying in auto—"unloaded" guns often kill.
4. Never load until on actual firing terrain; unload before setting gun down.
5. Unload gun when traversing fences, brush or obstacles.
6. Carry gun on safety except when near game.
7. Walk with gun pointed in except when near game.
8. Never point a gun at anything you don't intend to shoot.
9. Don't allow muzzle to become clogged with mud or debris.
10. Stow ammunition in safe place.

Second, don't cradle the gun in your arms with action closed and point the muzzle at first one then another while chatting in a group.

Third, don't hand your gun to a buddy muzzle first.

Fourth, don't hand it to a buddy with the muzzle pointed toward you.

While we're at it we'll throw in the 10 helpful hints on handling guns safely, handed out by the Tennessee State Game and Fish Commission.

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We don't hear so many reports on hunting and fishing from Y-12 people. Frank Blair, of Electrical Maintenance, got a few squirrels up Oneida way on his long week end. We didn't get a single report from dove hunters for the first half of the season and the second half is now on until October 31.

Sells Adams was all set to go on that first Norris Peninsula squirrel hunt last week when he sprained his ankle and had to miss several days' work.

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We hear that the fellow who attacked the walleye in self-defense had another adventure with a bass. He got one that was really bragging size, but tied it too near the stern of the boat. By the time he reached the dock, all he had left was a skeleton.

Since the birth of his seventh child, a boy, a few days ago, the boys are suggesting that motor winder Mike Getsi spend a little more time hunting and fishing. For one thing, it takes a lot to feed that many kids, and for another . . . oh, well, you're already ahead of me on that one.

George Ferrell has been having a lot of company at his new cottage on Fort Loudoun Lake

## South Illinois Ave. Ready For Opening To Traffic

Y-12ers living in the western regions of Oak Ridge are expected to be able to use the new South Illinois Ave. route to and from the plant, effective today. The Atomic Energy Commission last week reported that with weather permitting the new short cut street probably would be opened to traffic Wednesday, October 25.

Southbound, the new street starts at the intersection of Oak Ridge Turnpike and Illinois and extends on a direct line to the Outdoor Theater and the Midway perimeter gate of the AEC to the restricted area. A considerable saving in time and distance is given motorists using the new thoroughfare.

While finishing touches are being put on the street, motorists will be urged to use care to avoid road building equipment still at work.

## Purdue Physicist To Lead Physics Seminar This Week

Prof. K. Lark-Horovitz, of Purdue University, Lafayette, Ind., and also consultant to the physics division of the Oak Ridge National Laboratory, will conduct the weekly meeting of the Oak Ridge Physics Seminar set for 4 o'clock Friday afternoon, October 27, in the East Lounge of the Ridge Recreation Hall. He is one of the best known physicists in the country and has made frequent visits to Oak Ridge.

The topic of discussion at the seminar session will be "Trends In Solid-State Research In European Laboratories."

## ACS Section To Hear Talk By Dr. Willard Friday Night

All Y-12 chemists are urged to attend the meeting of the East Tennessee Chapter of the American Chemical Society set for Friday night, October 27, at the Oak Terrace. The session will be part of the 1950 Lectureship of the ACS section with Dr. H. H. Willard speaking on "New Precipitation Methods."

The Oak Ridge meeting will be a dinner gathering at 6:30 p. m. at the Oak Terrace with Dr. Willard speaking at 8 p. m. in the Jefferson Junior High School auditorium.

Dr. Willard, recently named consultant for Carbide units in Oak Ridge, also will speak in Knoxville Thursday night at a similar ACS meeting.

## Y-12 Man Has Entries In Knoxville Cat Show

R. D. Smith, of the Uranium Control and Computing Department, has three highly prized yellow tabby Persian cats entered in the East Tennessee Cat Fanciers show to be held in Knoxville October 28-29. Several other Oak Ridgers have entries in the show, sponsored by the Cat Fanciers Association, a national organization. More than 150 felines are entered in the event. Mrs. M. H. Lietzke, formerly of Y-12, is show manager and with her husband, also a former Y-12er, has a number of highly rated entries in the contest.

## Headlines Program Will Feature Talk By Dr. Willard

An interesting interview of Dr. H. H. Willard, of the University of Michigan and new Carbide consultant in Oak Ridge, will feature the Headlines in Chemistry program to be given over Oak Ridge Radio Station WATO at 9:15 o'clock Sunday night, October 29. C. D. W. Thornton, of the Atomic Energy Commission, will interview Dr. Willard on the importance of analytical chemistry in the industrial age. The 15-minute radio program is sponsored by the East Tennessee Section of the American Chemical Society.

Dr. Willard's task will be in non-technical language and interesting to scientific and non-scientific listeners alike. He has declared that the importance of analytical chemistry has not yet been sufficiently recognized and that the profession has made possible the advance in other sciences and in industry.

Importance of analytical chemistry in the fields of medicine, agriculture, metallurgy, archeology, criminology and others and how it has made possible progress in those fields will be discussed by Dr. Willard. He will point out that analytical chemistry in itself is not spectacular but has made possible some spectacular results. In the glamor of the results, he will state, the contribution of analytical chemistry usually is forgotten, although without its help the result might not have been possible.

## Mechanical Engineers Will Meet Thursday Night

All Y-12 members of the American Society of Mechanical Engineers and other mechanical engineers in the plant are urged to attend a dinner meeting of the East Tennessee Section of the A.S.M.E. Thursday night, October 26. The meeting will be held at 7 o'clock in the Oak Terrace with a business session starting at 8 o'clock for those not desiring to attend the dinner.

David W. Cardwell, general superintendent of the engineering and maintenance division of the Oak Ridge National Laboratory, will be the principal speaker. His topic will be "The Future For Engineers in the Atomic Energy Program."

## Library Club Meets Tonight; Y-12er President Of Group

About 20 Y-12ers, mostly from the Plant Records Department that included the library, plan to attend a dinner meeting of the Oak Ridge Library Club to be held at 6:30 o'clock tonight, Wednesday, October 25, at the Park Hotel in Clinton. Phyllis Finneran, of the Y-12 Plant Records Department, is president of the club.

The club plans to discuss and adopt a program of activities for the year and also transact other business at the meeting tonight, the president declared.



Y-12 Photos By Vince Moore  
**AT THE RECENT FIELD DAY PROGRAM OF THE OAK Ridge Sportsman's Association** Herb Parsons, center with shotgun, shows a group of Y-12ers some of the "what not to do" angles while hunting. The Y-12ers listening attentively include B. N. Strunk, H. H. Adcock, H. E. Argo, Carl Evans, H. H. Miller, J. L. Francis, C. H. Roddy and Evan Means. No. 1—Don't lean on gun while enjoying a conversation. No. 2—Don't let your attention be diverted when carrying a loaded gun. No. 3—Here are a pair of "don'ts." Don't handle gun among a group of men with action closed and don't hand gun to a pal while it pointing toward yourself. No. 4—Don't allow gun to point toward another member of a group.

## Linde Man Wins Prin Oak Ridgers Fail To

A photograph by David J. Stanley, of the Linde Air Products Co., Tonawanda, N. Y., a unit of Union Carbide and Carbon Corporation, won first place in the second annual UCC Camera Club contest in New York October 5, it was learned here last week. The prize-winning picture was of sea gulls rising in flight.

Four Oak Ridge Carbide employees had entries in the New York contest but none were among the prize winners.

Second place was taken by R. T. Breymer, of Electro Metallurgical Corp., Niagara Falls, N. Y., and third place went to E. A. Lansdown, UCC General Purchasing Department, New York.

Judges for the contest were Victor Kepler, advertising photographer; Robert Fawcett, illustrator for the Saturday Evening Post; and Norman Lipton, eastern editor of Popular Photography.

since he showed those pictures around of the big bass they catch over there. Jim Thorpe is another with a cabin on the lake, resulting in less congestion on the local golf course lately.

John Carriger and Bill Carruthers have joined the Kingston colony recently, but like so many other lake shore dwellers, they have so much work around the house they don't have time to go fishing.

The Oak Ridge Sportsman's Association will hold its last Fishing Rodeo of the season next Sunday, October 29, at Andersonville. Hopeful anglers entering the event will be charged a four-bit fee, proceeds of which will be used to buy a prize for the fisherman landing the biggest game fish of any kind. Come out and try your skill—or luck.

It's not who you are or where you are from—but what you are and where you're going that counts.